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MINISTERO DI AGRICOLTURA, INDUSTRIA E COMMERCIO

DIREZIONE GENERALE DELL'AGRICOLTURA

ANNALI DI AGRICOLTURA

1887

PROCEDIMENTI DI ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

STUDIATI

NELLE FABBRICHE DI ZUCCHERO IN GERMANIA

DALL'INGEGNERE

B.TO RICCARDO DEBARBIERI

atlas only

138.

ROMA
TIPOGRAFIA EREDI BOTTA
1887

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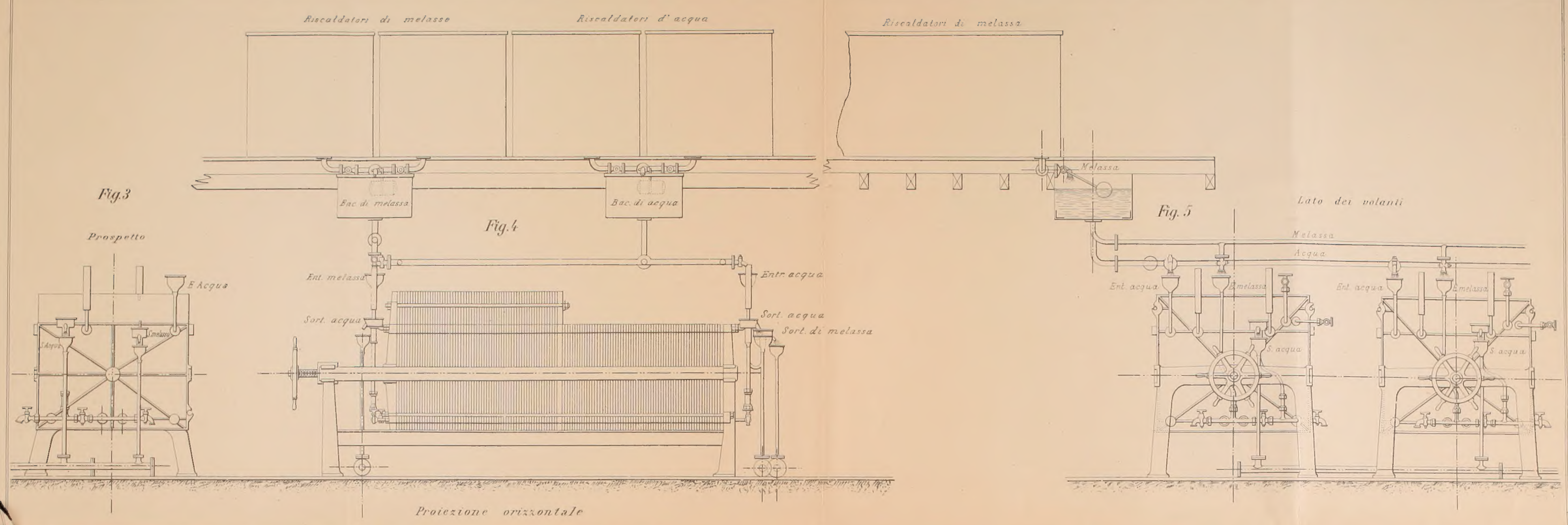
138.



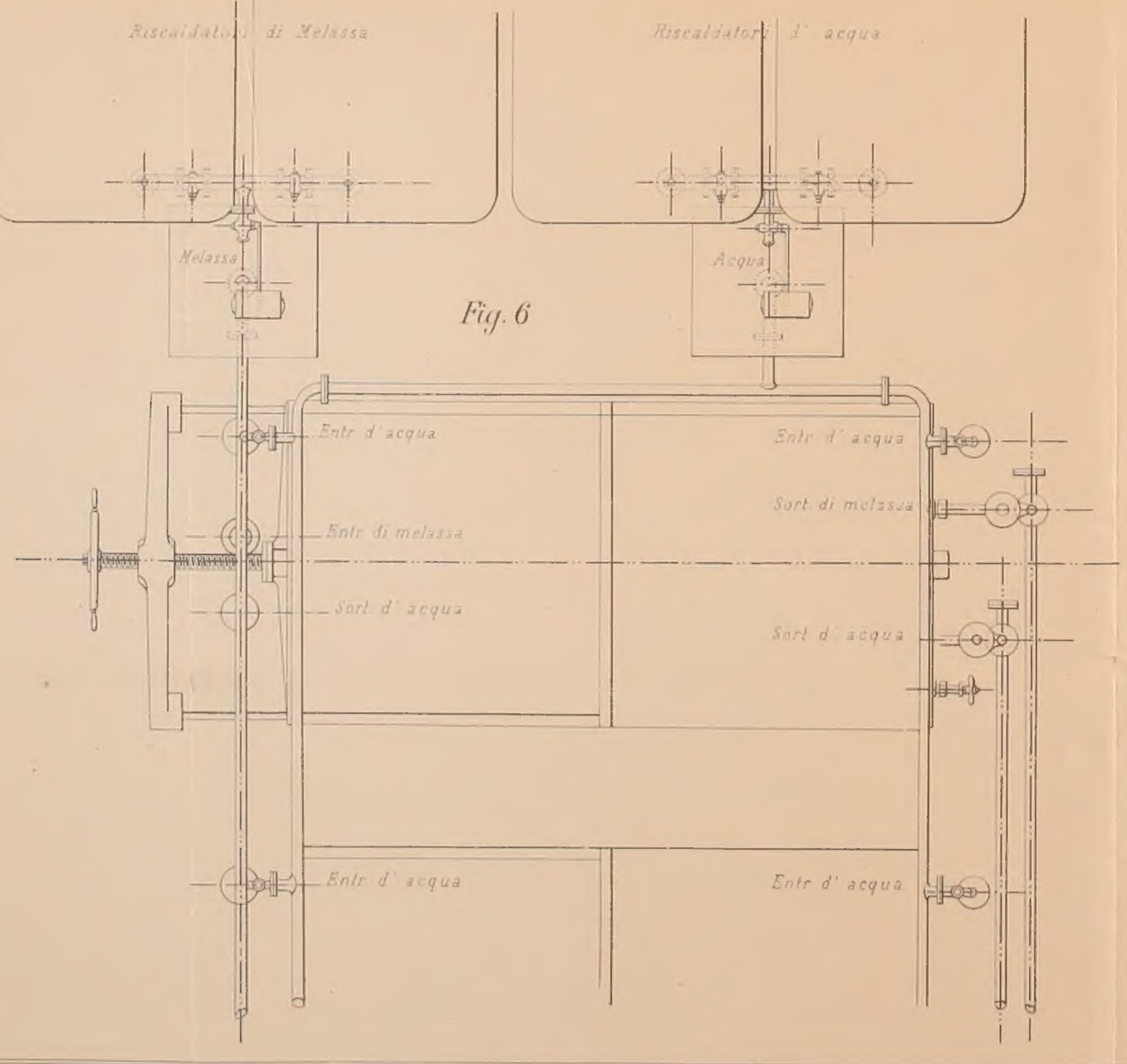
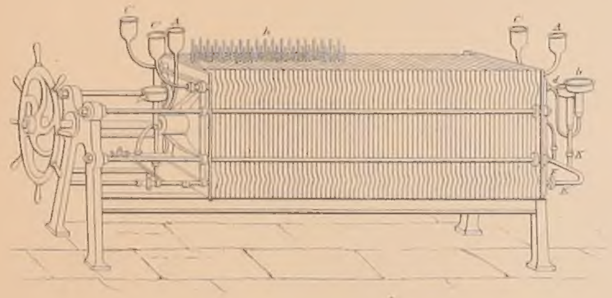


Fig. 1



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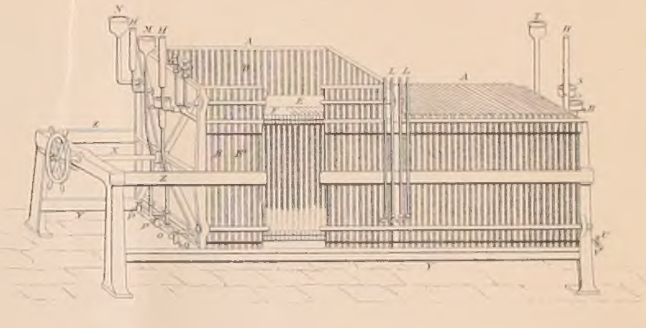


OSMOGENO EVAPORATORE A DOPPIA OSMOSI

Sistema H. Leplay

Fig. 3 4 5 e 6

Scala 1:20

St. Lit. C. Virano Roma

ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

Eluzione Manoury

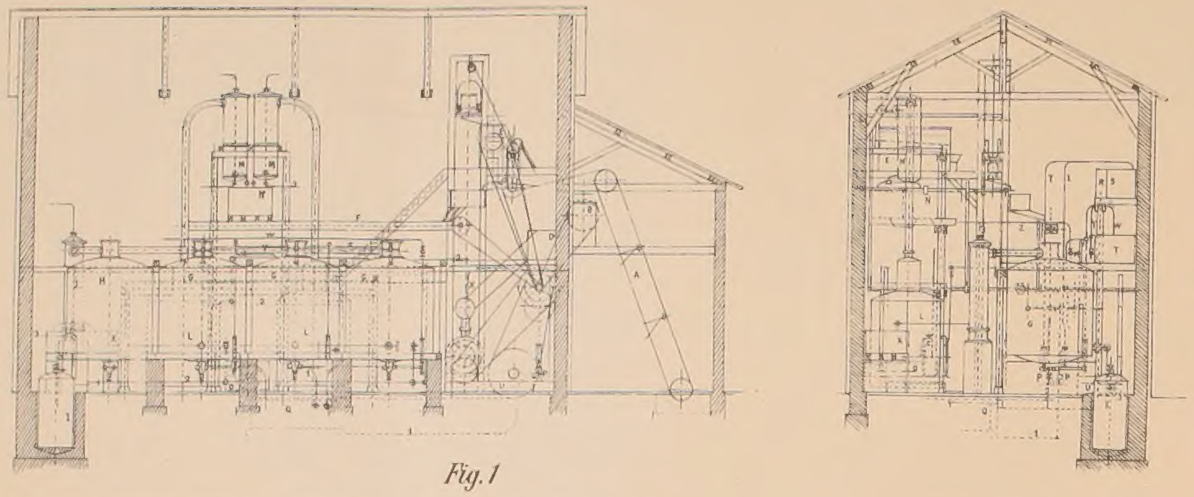
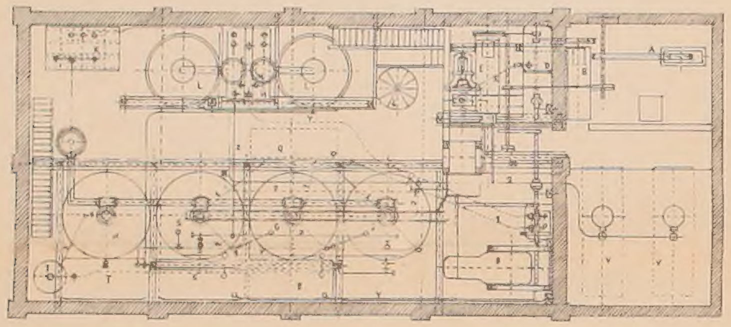


Fig. 1



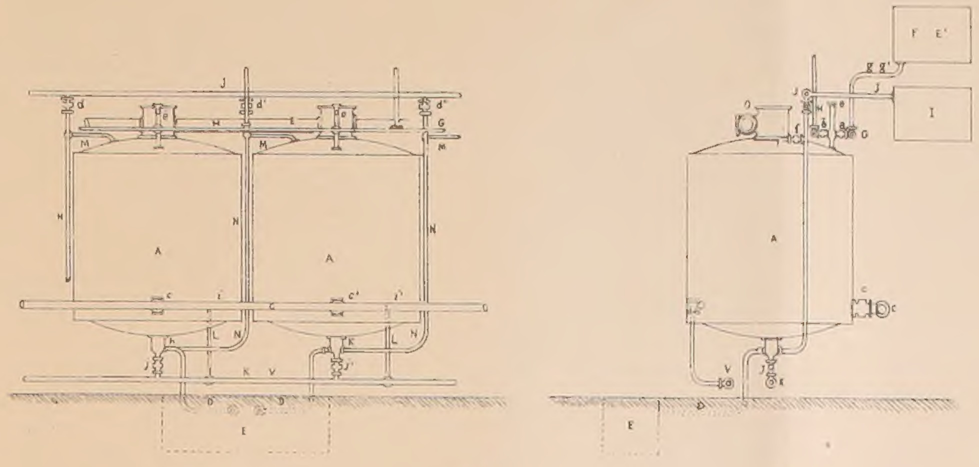
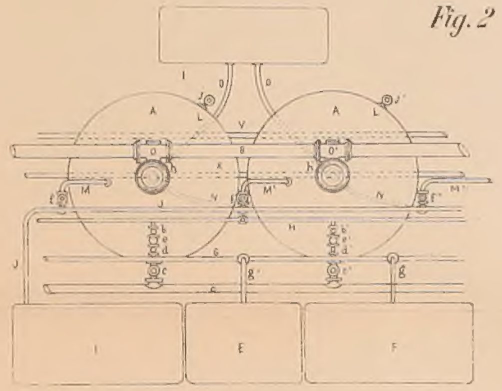


Fig. 2



Leggenda della Tavola II

- A. Elevatore di calce
- B. Buratto " "
- C. Mescolatore della calce e della melassa
- D. Bac di Melassa
- E. Buratto per separare il saccarato dalla polvere di calce
- F. Vite di distribuzione del saccarato nei maceratori
- G. Maceratori
- H. Vaso per ricevere il saccarato dopo la macerazione
- I. Montacarico per mandare il saccarato alle caldaie di carbonatazione
- J. Condensatore d'alcool dei maceratori
- K. Bac per ricevere l'alcool dal condensatore J.
- L. Caldaie per la distillazione
- M. Condensatori per le caldaie di distillazione
- N. Bac per ricevere l'alcool dei condensatori M.
- O. Bac per fare il miscuglio d'alcool a 40°
- P. Pompe per l'alcool
- Q. Bac per ricevere l'alcool di scolo
- R. Bac d'alcool a 40°
- S. Bac per ricevere l'alcool di scolo aspirato dalla pompa
- T. Bac per l'alcool impuro
- U. Macchina a vapore
- V. Generatore di vapore
- X. Condotti delle melasse
- Y. Condotti d'alcool a 40°
- Z. Condotti d'alcool puro
- W. Condotti d'alcool impuro
- 1 Condotto d'alcool di scolo
- 2 Condotto di vapore
- 3 Condotto d'acqua fredda

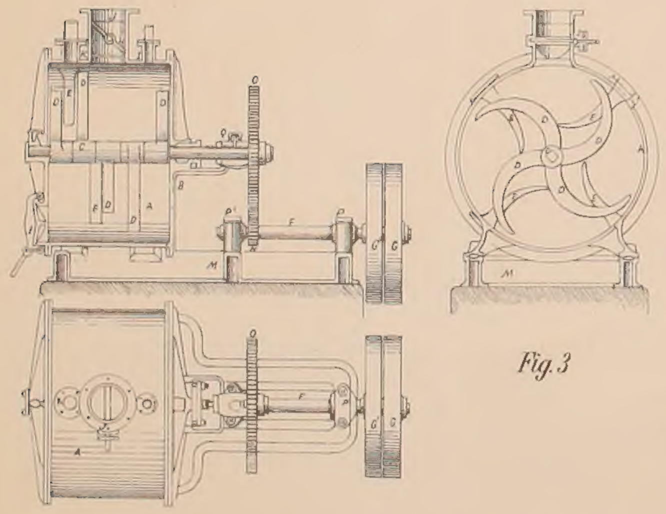


Fig. 3

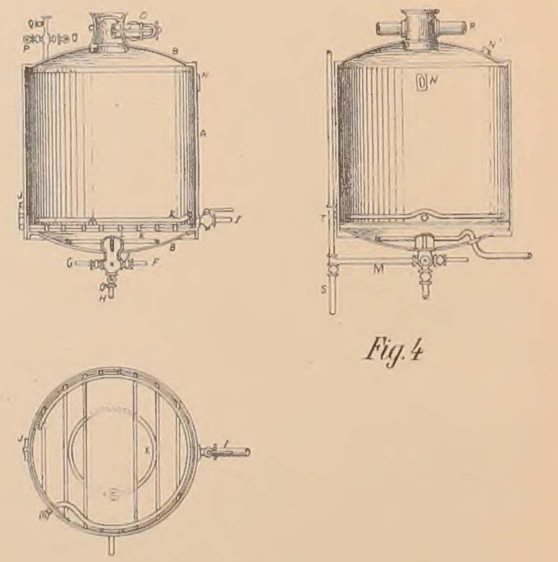
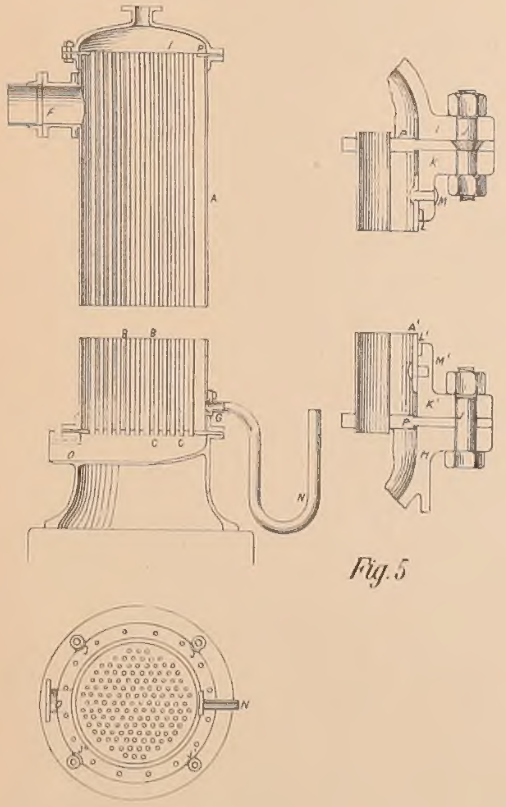


Fig. 4



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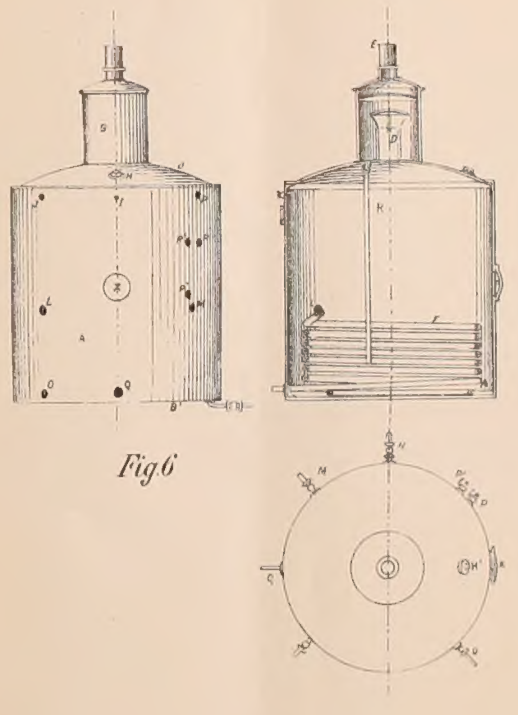


Fig. 6

Lit. C. Virano, Roma 1887.

ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

Separazione *(Ausscheidung)* di Steffen

Fig. 1

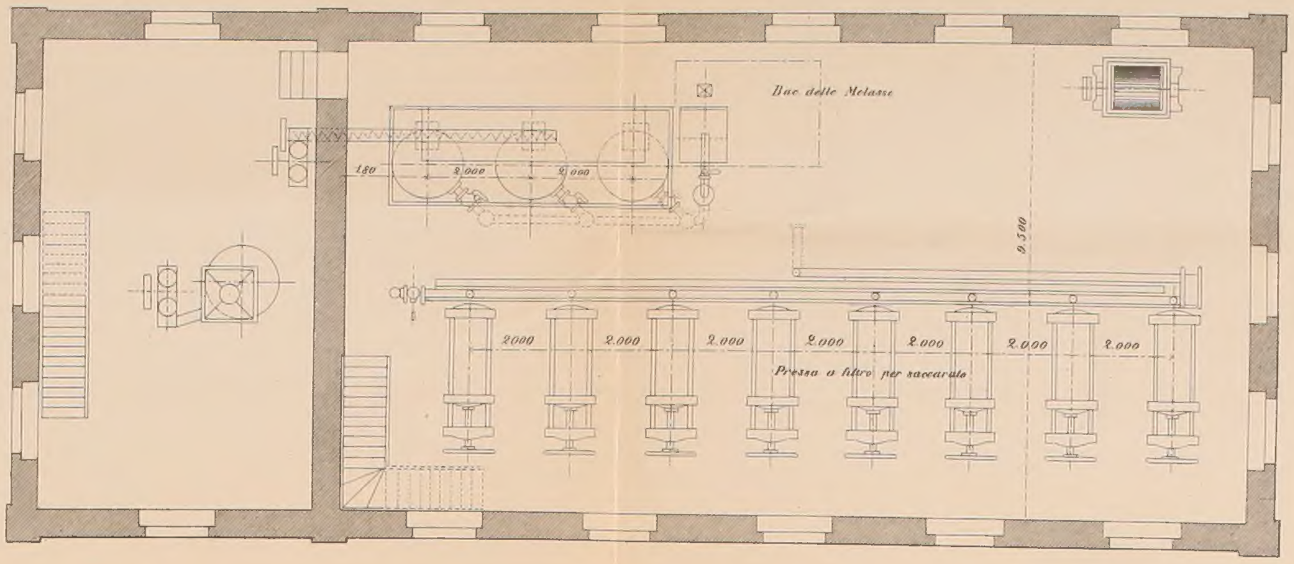


Fig. 2

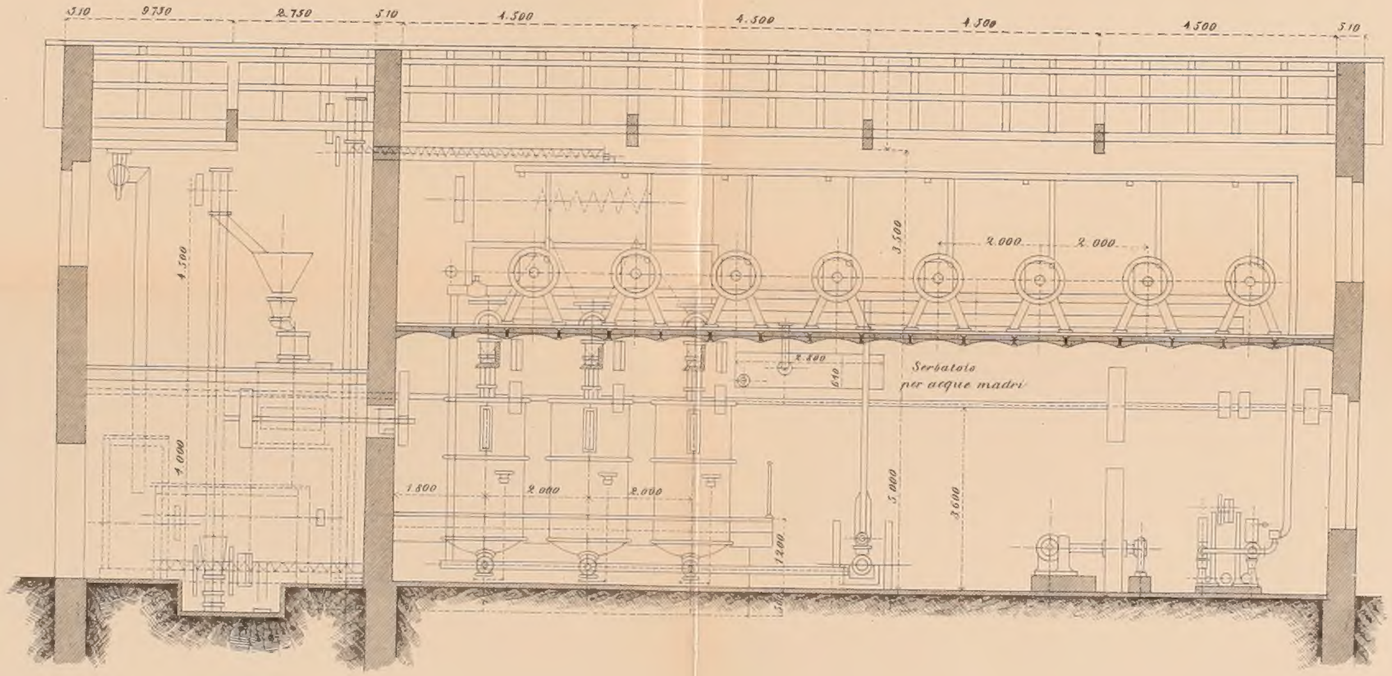
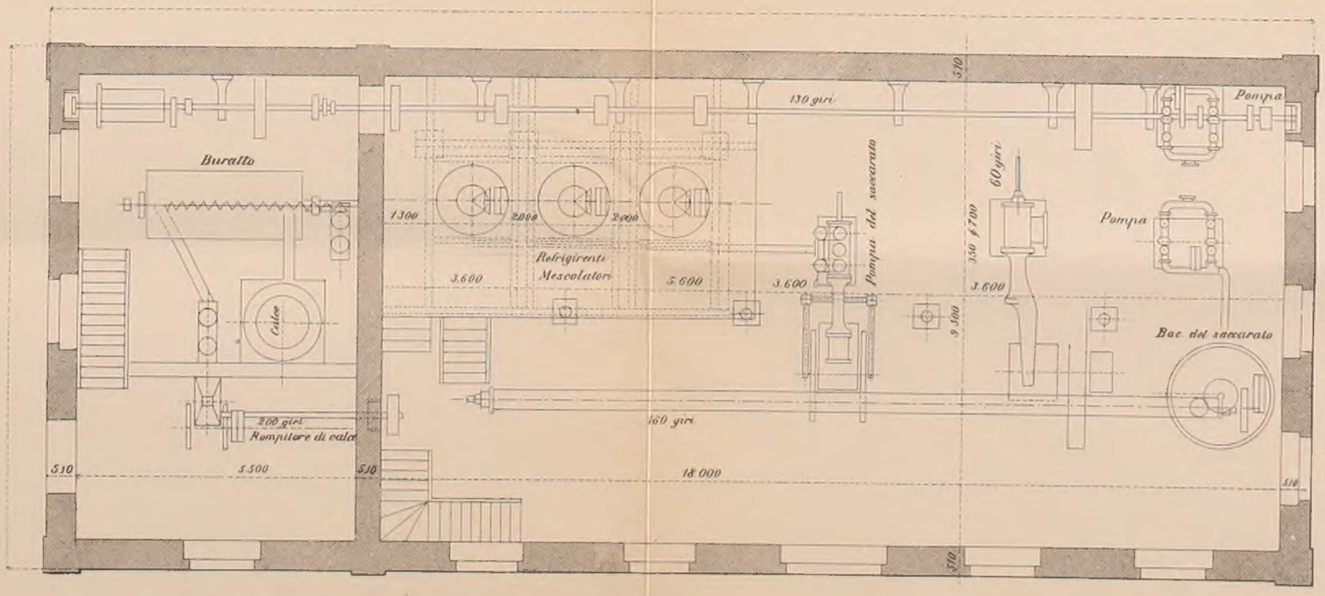


Fig. 3



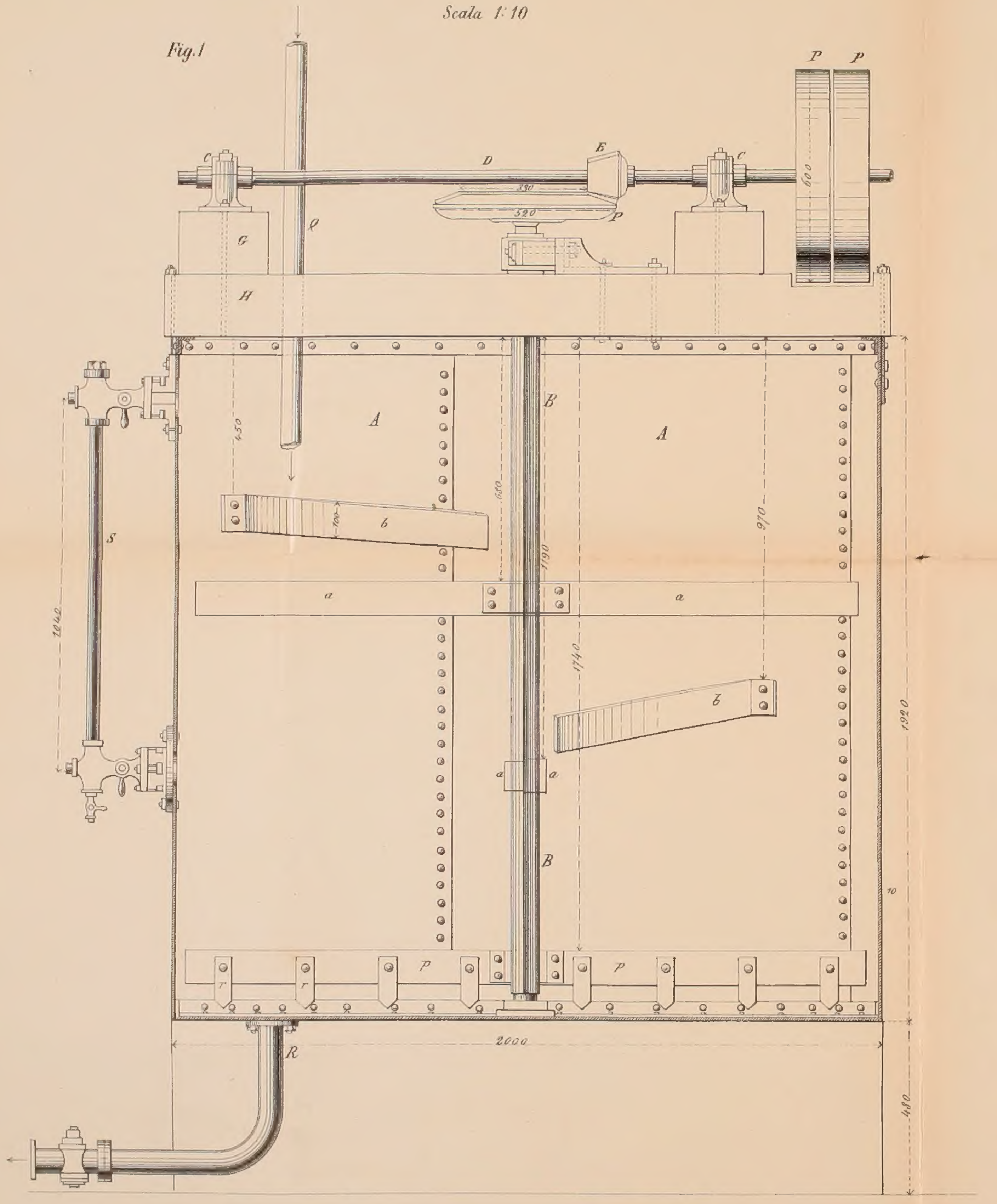
Scala 1:100

ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

Separazione (Ausscheidung) di Steffen

Scala 1:10

Fig. 1



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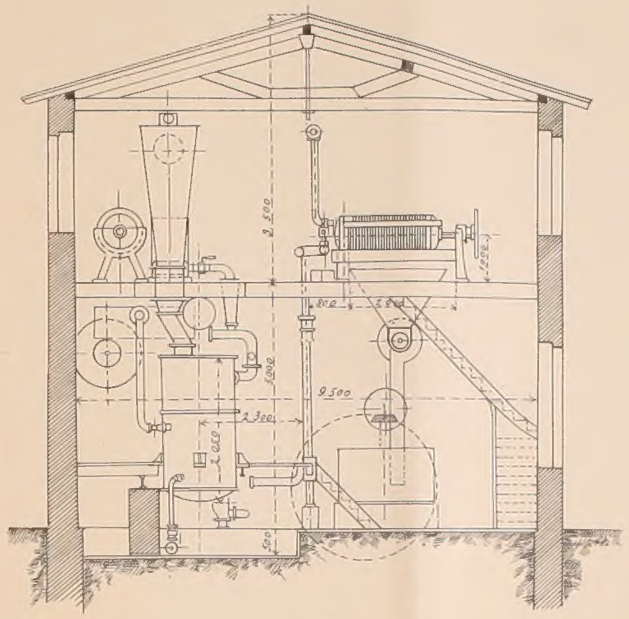


Fig. 2

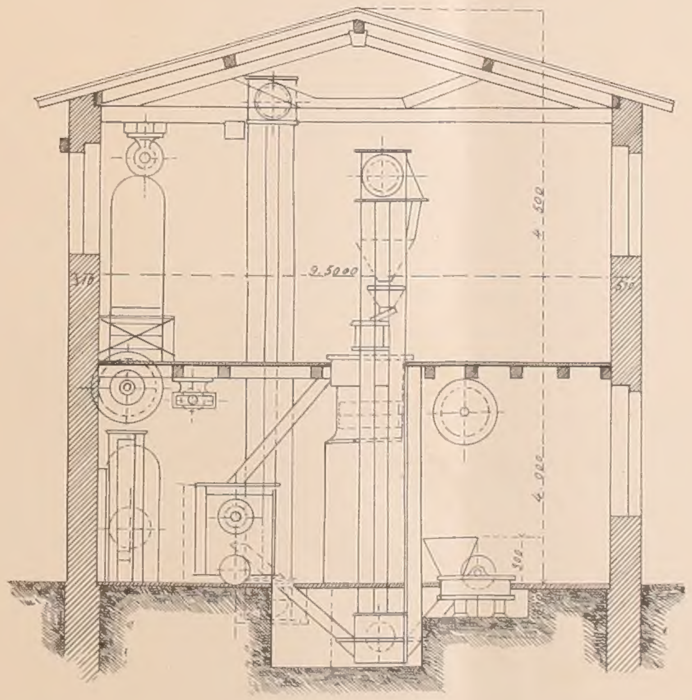


Fig. 3

R. S.° Lit. C. Virano Roma, 1887.

ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

Separazione (Ausscheidung) di Steffen.

Fig. 1

Scala 1:20

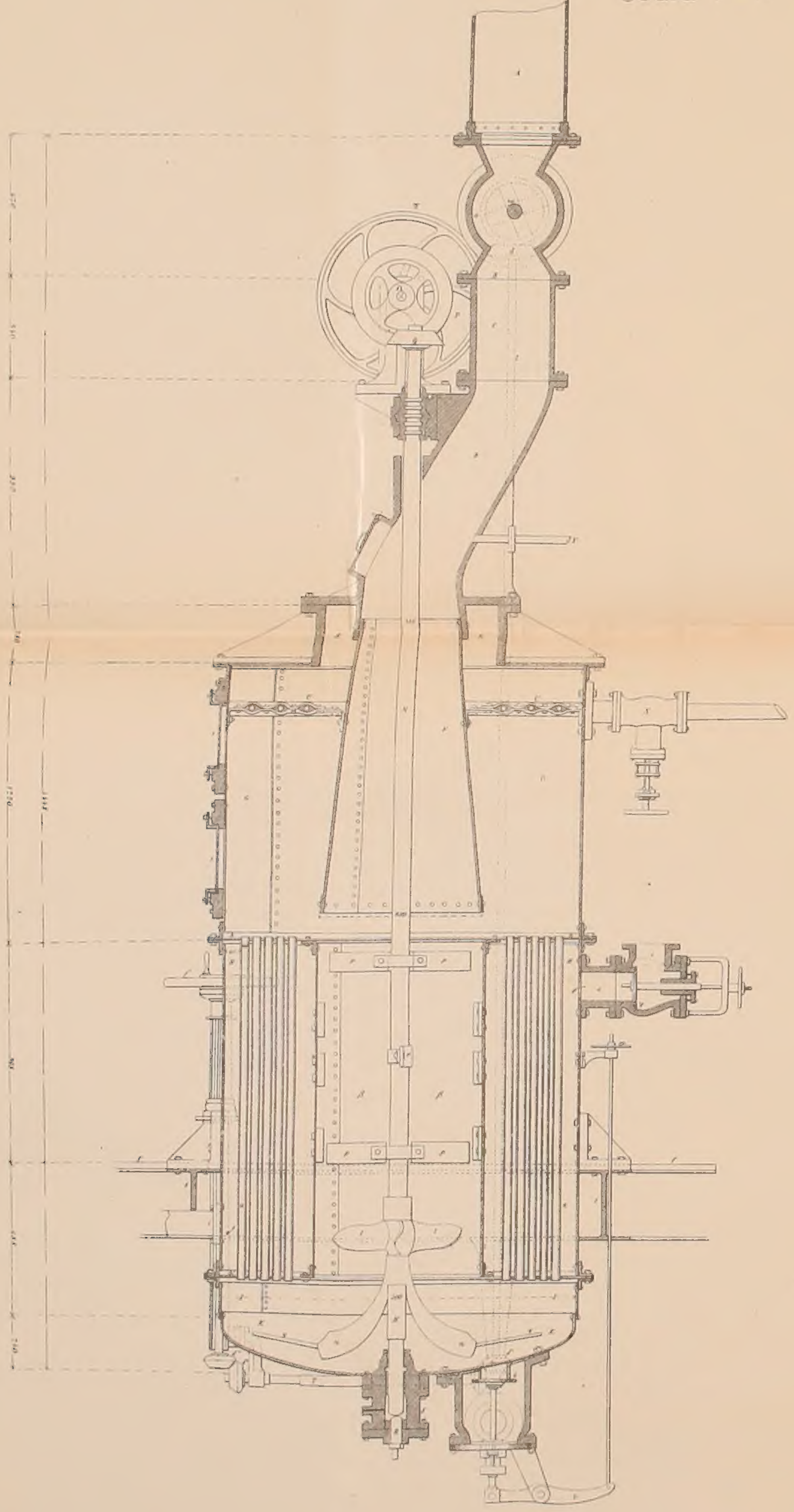
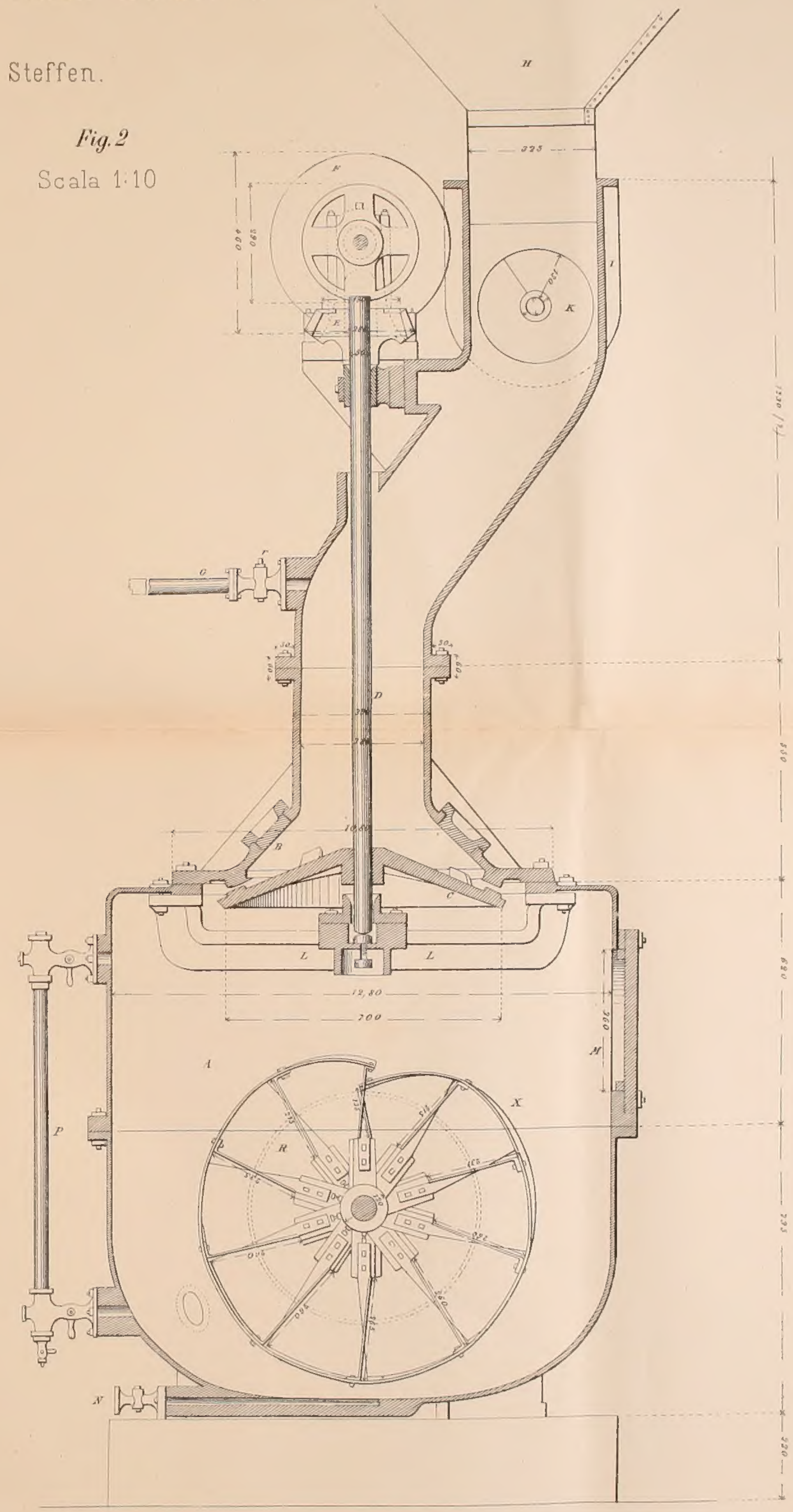


Fig. 2

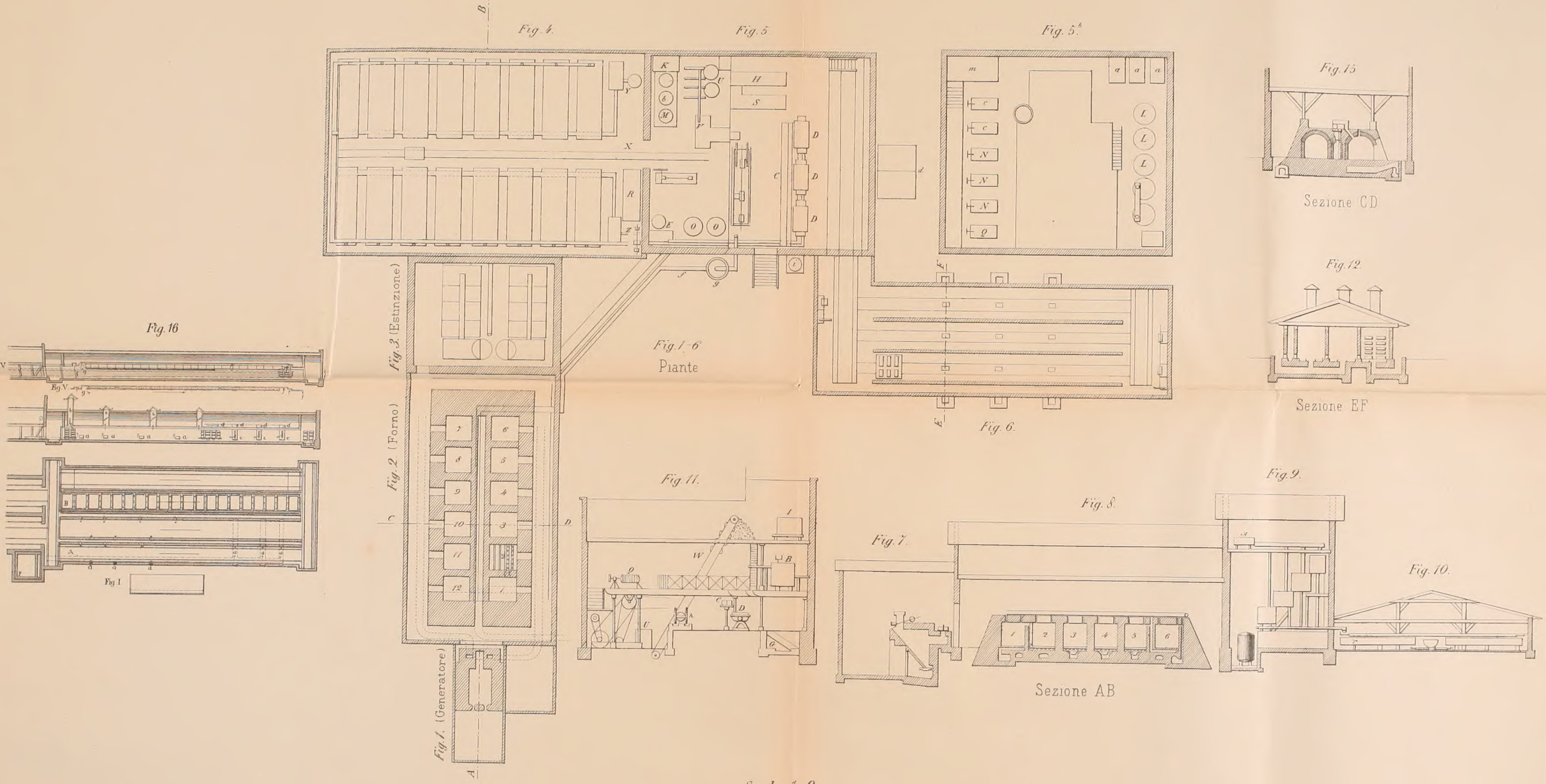
Scala 1:10



S° Lit. C. Virano Roma

ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

Procedimento basato sulla formazione del saccarato bibasico di stronzio



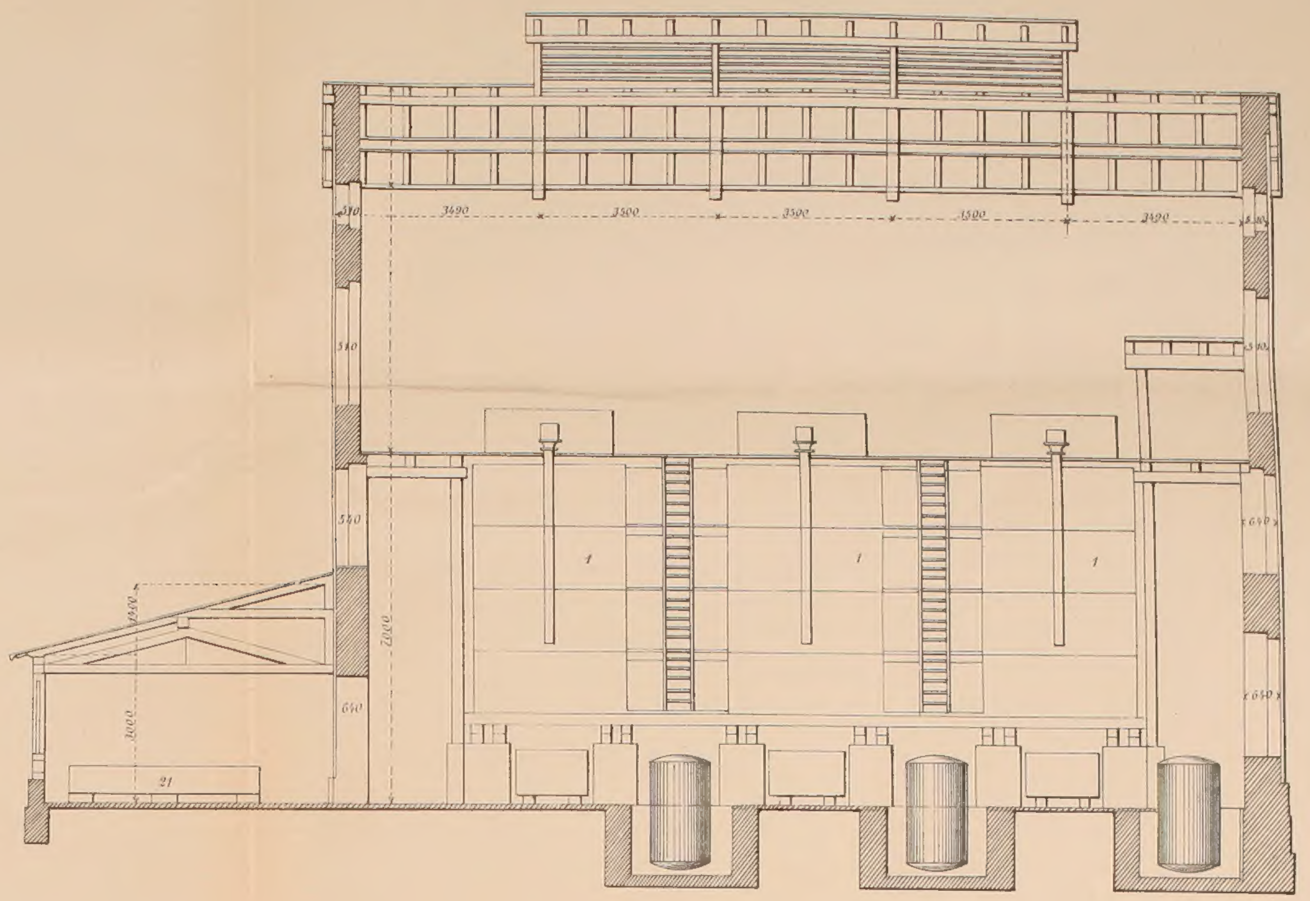
Scala 1:200

R.ª Stab. Lit. C. Virano, Roma.

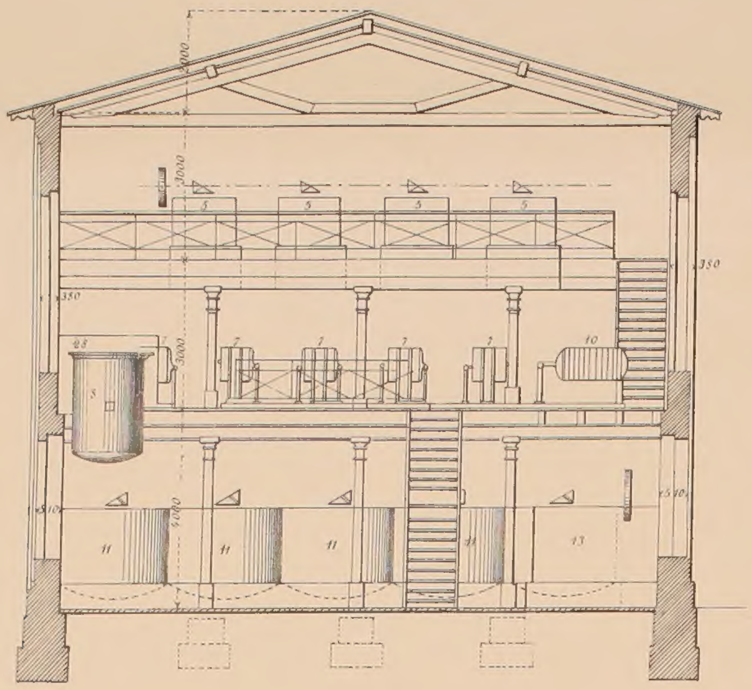
ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

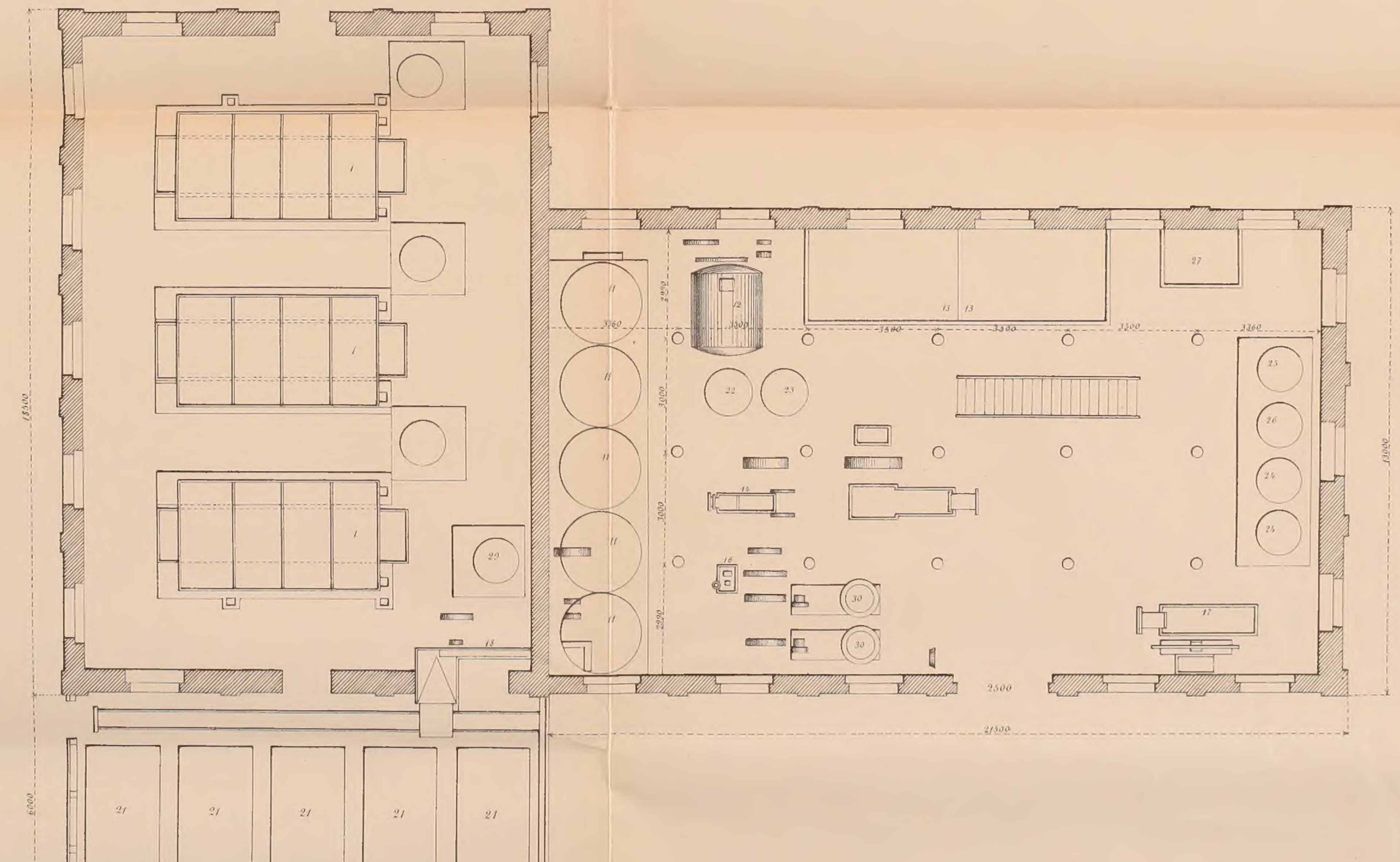
Procedimento basato sulla formazione del saccarato di monobasico di stronzio

Sezione E F



Sezione C D

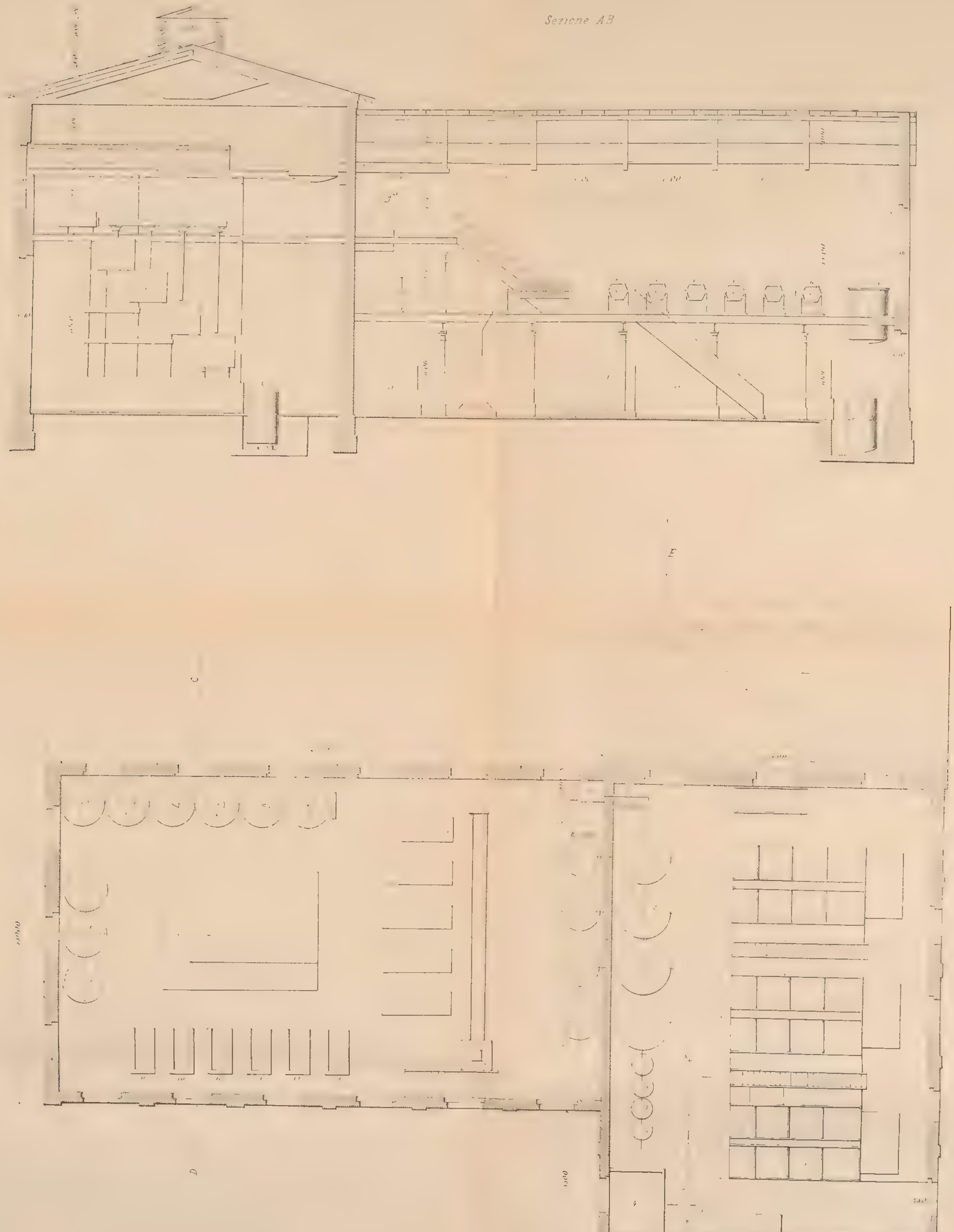




R. Stab. Lit. C. Virano Roma

ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

Procedimento basato sulla formazione del saccarato monobasico di stronzio



Stab. Lit. C. VIRANO Roma

ESTRAZIONE DELLO ZUCCHERO DALLE MELASSE

Turbina Langen *Fig. 5*

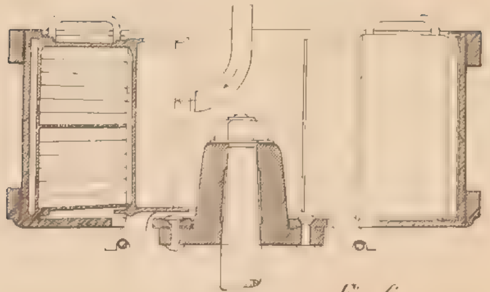
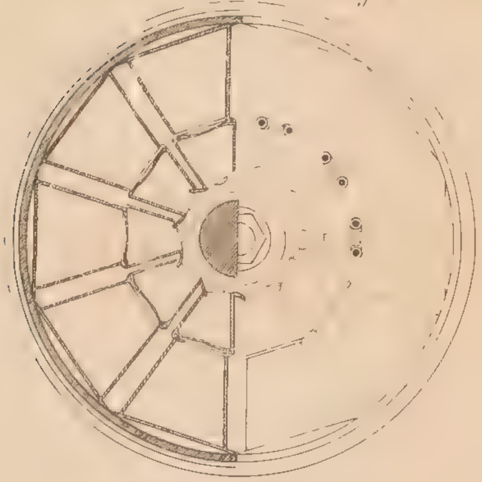


Fig. 6



Macchina per listelli di zucchero

Fig. 4

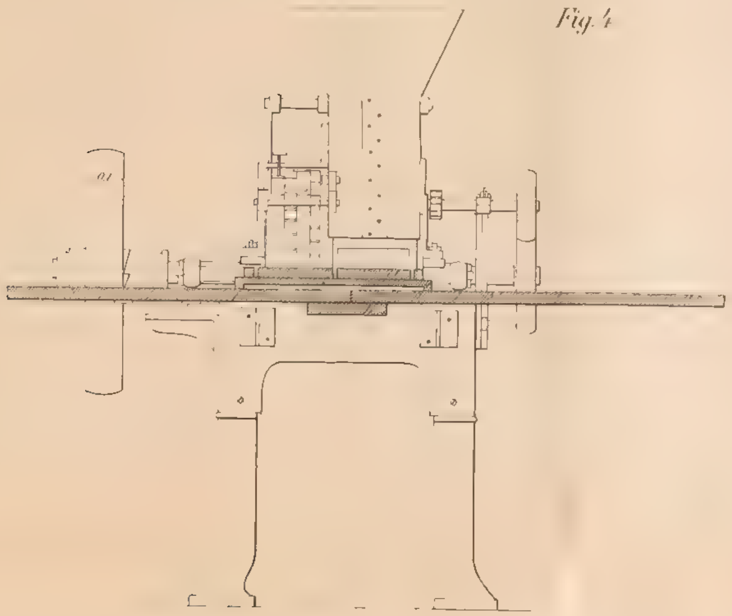


Fig. 3

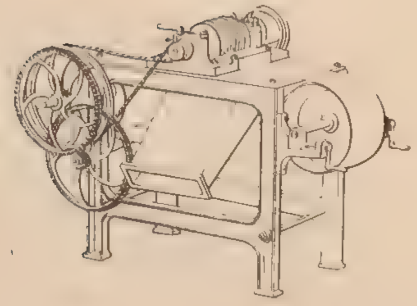


Fig. 2

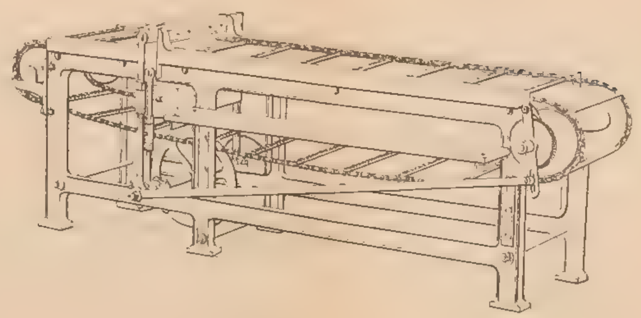
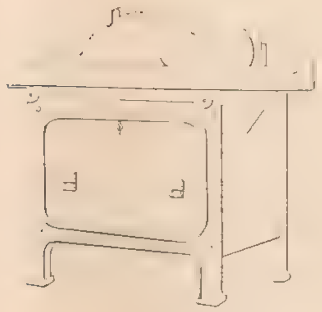


Fig. 1



SEGA PER SEGMENTI DI ZUCCHERO

Fig. 2

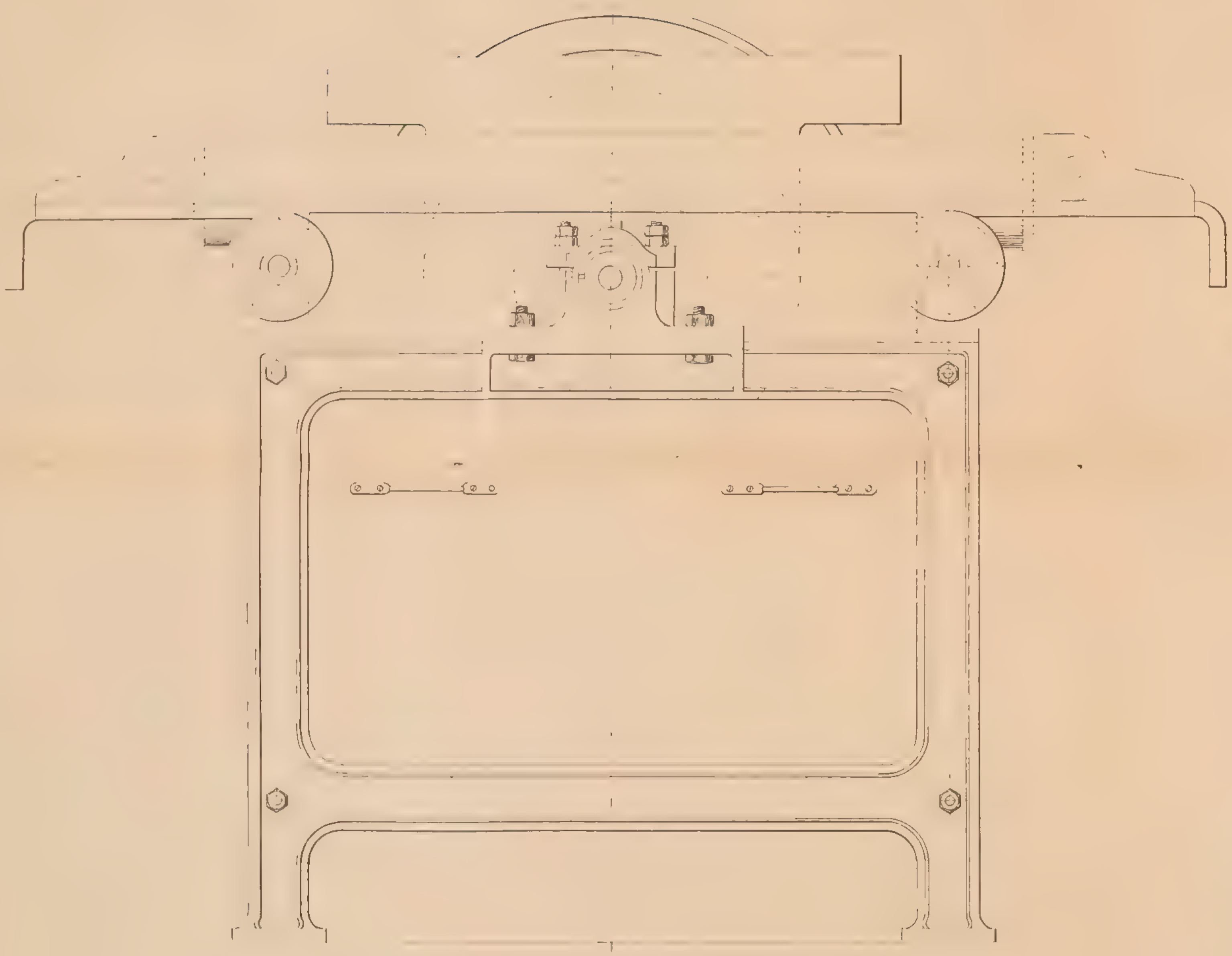
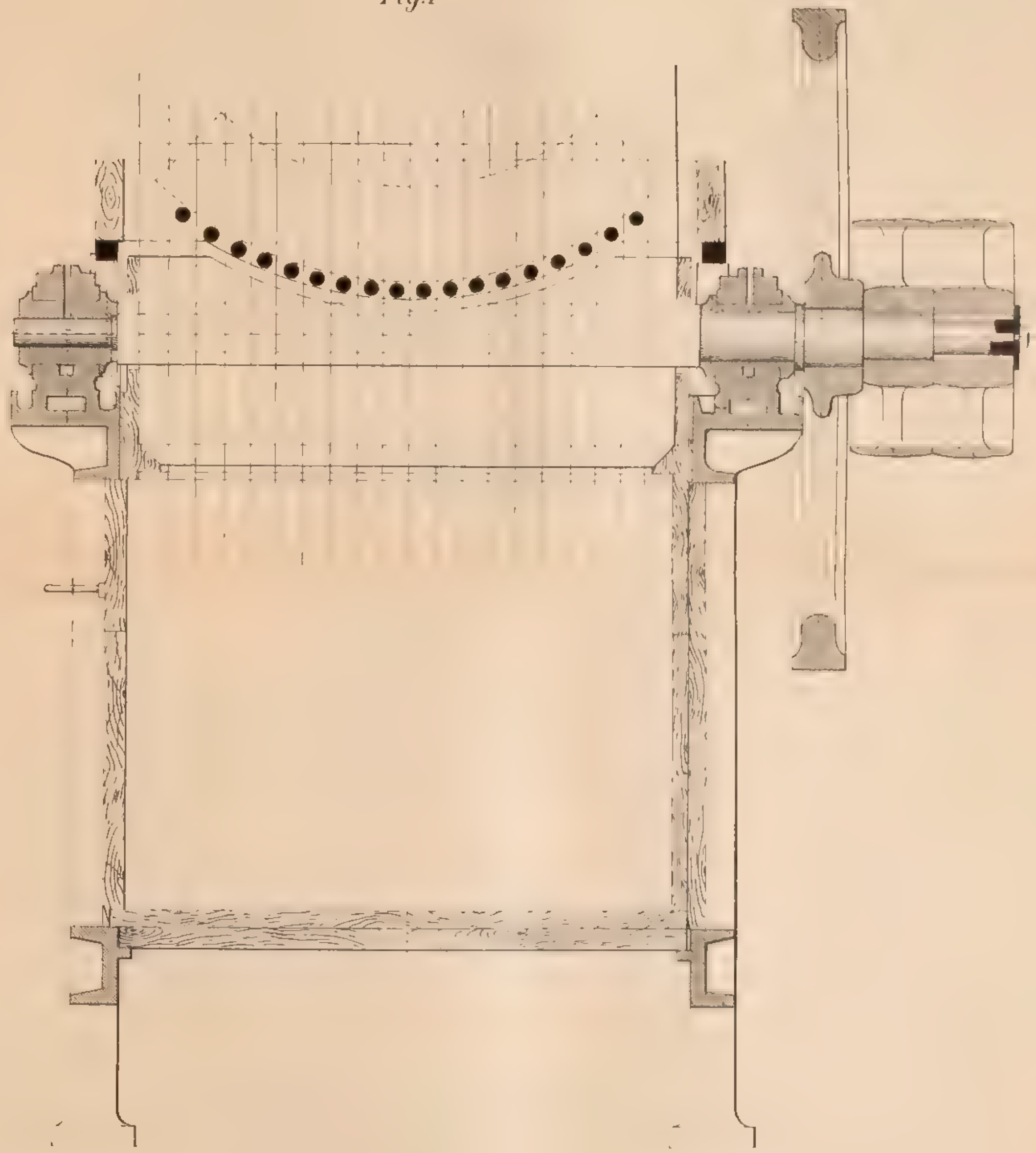


Fig. 1



TURBINA PER LA FABBRICAZIONE DELLO ZUCCHERO PILÉ

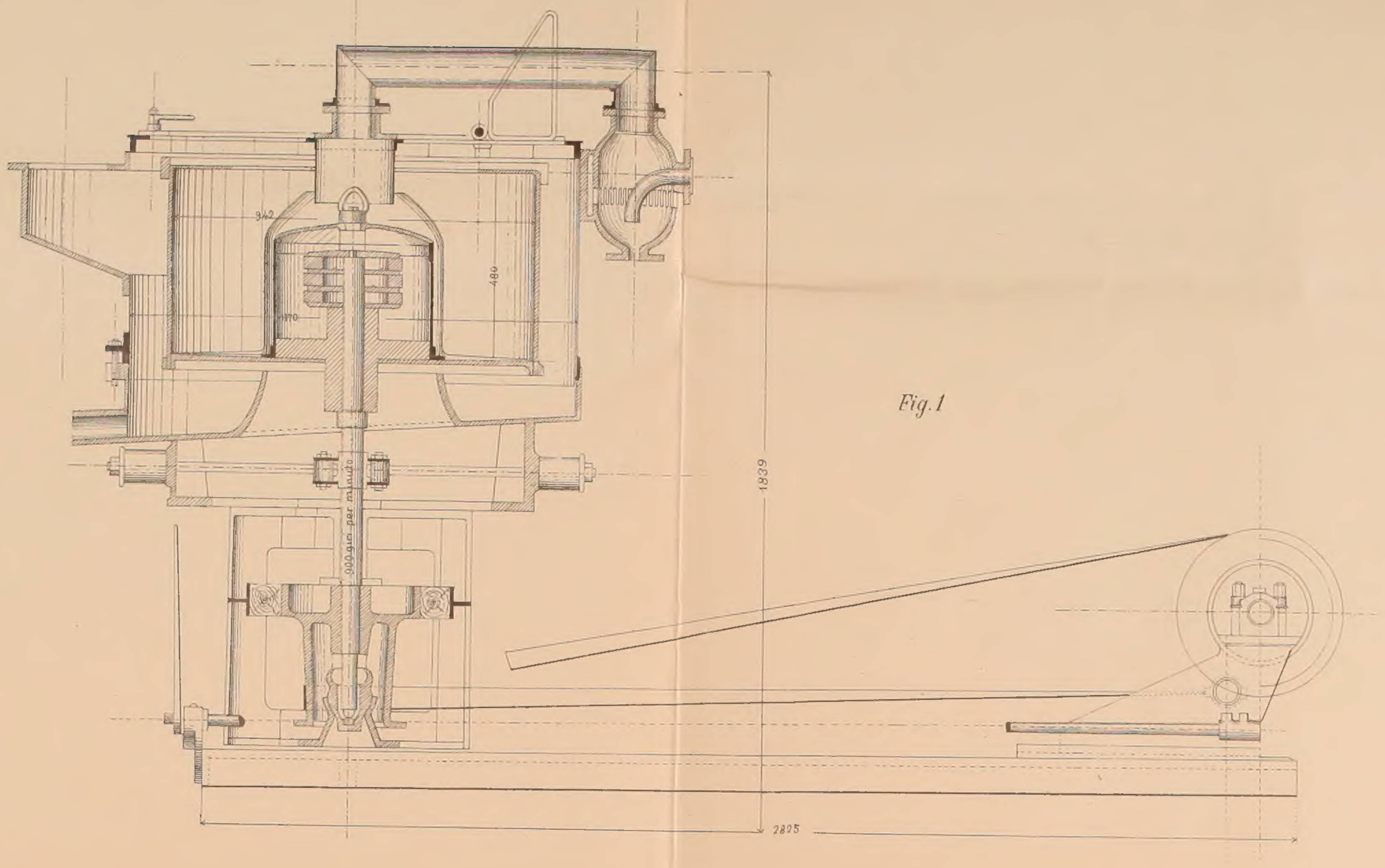
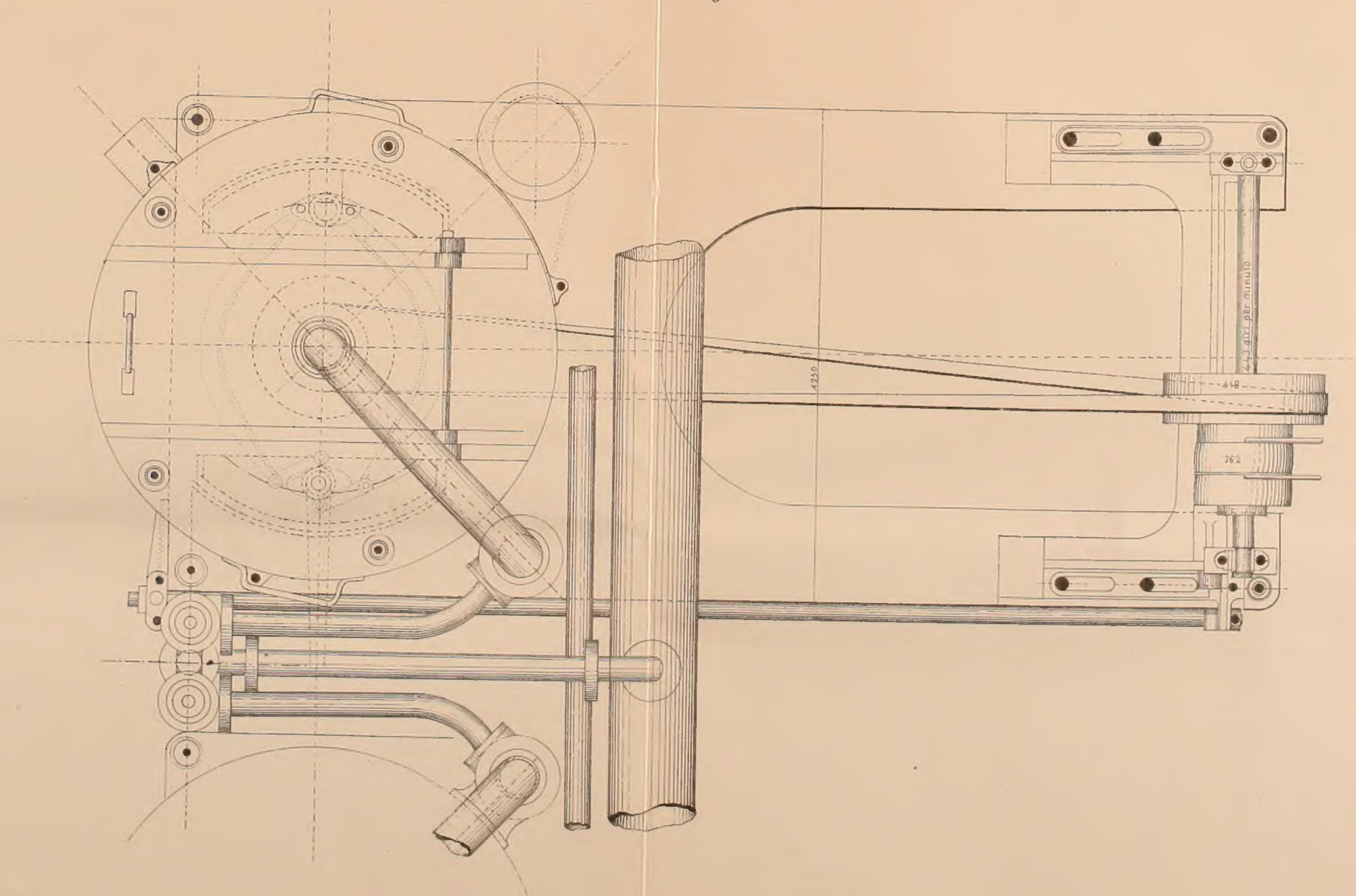


Fig. 1

Fig. 2



Lit. C. Virano Roma

APPARECCHIO DI EVAPORAZIONE SISTEMA WELNER-JELINECK

Fig. 1

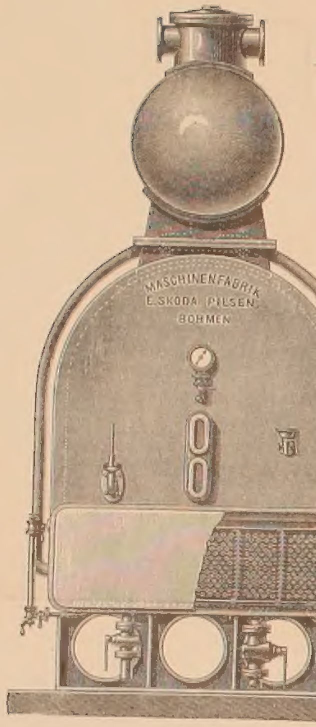


Fig. 2

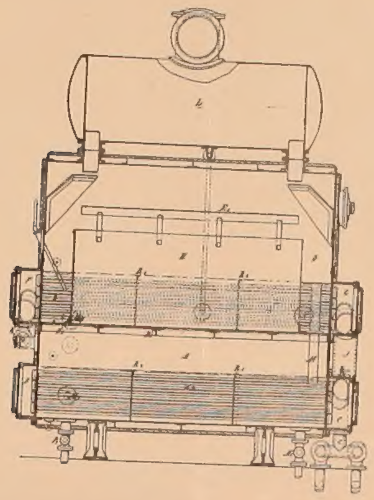


Fig. 3

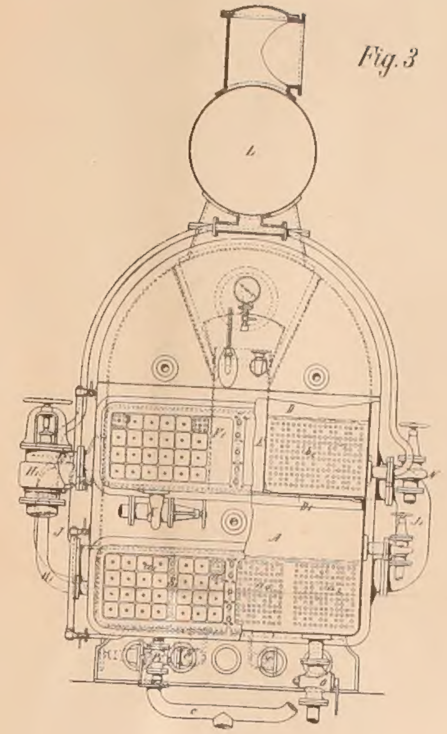


Fig. 4

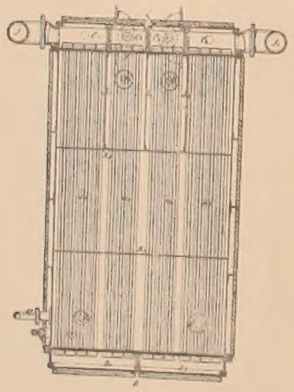


Fig. 5

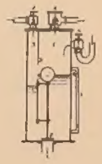


Fig. 6

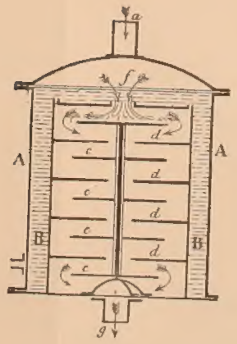
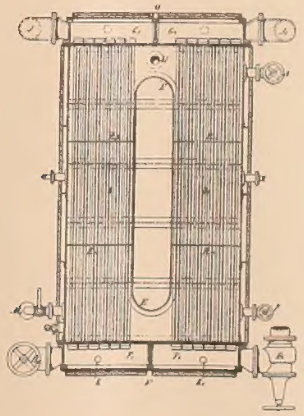


Fig. 7



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